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EXAMINER

KOPPIKAR, VIVEK D

ART UNIT

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PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b> 09/510,607	<b>Applicant(s)</b> KENNEDY, BRIAN M.	
	<b>Examiner</b> VIVEK D. KOPPIKAR	<b>Art Unit</b> 3686	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 20 November 2008.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 11-42 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 11-42 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)                     | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____                                      |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)          | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____  | 6) <input type="checkbox"/> Other: _____                          |

## **DETAILED ACTION**

### ***Status of Application***

1. This communication is in response to the communication filed on May 6, 2008. This is communication is a first office action in response to the applicants' request for continued examination (RCE) filed on November 20, 2008.

### ***Claim Rejections - 35 USC § 101***

2. 35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

3. Claims 27-42 are rejected under 35 U.S.C. 101 because these sets of claims are directed to non-statutory subject matter. These claims are directed towards methods of managing data associated with available-to-promise products but these claims do not recite a device which is used in carrying out this method, such as a computer, and, therefore, these claims are not tied to a statutory class of patentable subject matter. The Office recommends amending these claims so that they recite a device which is used to carry out the method set forth in these claims (e.g. a computer). The Office would like to remind the applicants, however, that any amendment(s) to the claims must have support in the specification as it was originally filed.

***Claim Rejections - 35 USC § 103***

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims 11-16, 18, 27-32, and 34 are rejected under 35 U.S.C. 103(a) as being unpatentable over James et al., EP 425,405 A2 (hereinafter James) in view of Fields et al., Pat. No. 5,459,656 (hereinafter Fields) and Rhodes, Dusty, "The keys to the enterprise: integrated applications drive information systems to new horizons - enterprise wide integration"(hereinafter Rhodes).

(A) As to claim 11, James discloses a system for managing data associated with available-to-promise (ATP) products (processes that take place in a typical manufacturing environment from the time the orders are received and the logic to arrive at the capability to promise and confirm planned shipping dates based on capacity constraints and product availability)(page 5, col. 2, lines 32-49), comprising:

(a) planned supply of the product (i.e. planned orders to cover net requirements)(page 4, col. 1, lines 16-22 and page 7, col. 1, lines 47-51); and

(b) customer orders for the product through the seller (i.e. customer order servicing)(page 5, col. 2, lines 32-43).

James does not explicitly disclose two seller models that each represent a seller for one or more products each product being associated with a product forecast model; and forecasted sales of the product through the seller.

However, Fields discloses each product being associated with a product forecast model (i.e. model covers each of a plurality of products)(col. 2, lines 1-9 and col. 5, lines 46-63); and forecasted sales of the product through the seller (i.e. forecast profile)(col. 3, lines 41-53). Finally, Fields discloses at least two seller models that each represent a seller for one or more products (i.e. the model should cover each of a plurality of products or business items to determine future business demand for a specific location)(col. 2, lines 1-9).

It would have been obvious to one of ordinary skill in the art at the time of Applicant's invention to include the teachings of Fields within the James system in order to provide products in timely response to customer demands (col. 1, lines 37-43).

James does not explicitly disclose pre-allocated supply of the product to the seller and the system operable to compute the amount of the product that is ATP at the seller according to the planned supply, the customer orders, the pre-allocated supply and the amount of the product that is ATP at one or more other sellers at a higher level in a seller hierarchy.

However, Rhodes discloses pre-allocated supply of the product to the seller (i.e plan sales expectations)(pages 1 and 2) and the system operable to compute the amount of the product that is ATP at the seller according to the planned supply, the customer orders, the pre-allocated supply and the amount of the product that is ATP at one or more other sellers (i.e. linking sales and marketing strategies to material and resource scheduling ...)(page 3). As per the recitation of

“the pre-allocation of the supply of the product to the seller occurring prior to distribution of the pre-allocated supply of the product to the seller,” the Examiner respectfully submits that Rhodes discloses an order department being able to “look” into the manufacturing system to determine what is currently in production to give a viable ATP date (page 2). It is noted that a product must be allocated to a seller before it is distributed to the seller. For example, a customer placing an order for a product and being told when it will be delivered has “allocated” the product for himself (See also Applicant’s Background of the Invention, page 2, lines 15-26). The product is then delivered to the customer (“distributed”) after an order has been placed (See also Applicant’s Background of the Invention, page 2, lines 15-26). As per the recitation of “at a higher level in a seller hierarchy,” Rhodes discloses allowing business information systems to communicate with different trading partnerships, where the system encompass the flow of physical goods (and information) from the supplying organizations into the businesses and subsequently to its customers (page 3).

It would have been obvious to one of ordinary skill in the art at the time of Applicant's invention to include the features as disclosed by Rhodes within the James and Fields combination for the motivation of allowing access to relevant data, facilitating fast decision making and providing material and resource management information to sales and marketing teams (page 1).

(B) As to claim 12, James does not explicitly disclose the system of Claim 11, further operable to adjust the pre-allocated supply according to one or more business criteria selected from the

group consisting of seller criteria, product criteria, forecast criteria, supply criteria, customer order criteria, and policy criteria.

However, Rhodes discloses the system of Claim 11, further operable to adjust the pre-allocated supply according to one or more business criteria selected from the group consisting of seller criteria, product criteria, forecast criteria, supply criteria, customer order criteria, and policy criteria (i.e. forecasting and DRP)(page 3). It would have been obvious to one of ordinary skill in the art at the time of Applicant's invention to include the system of Claim 11, further operable to adjust the pre-allocated supply according to one or more business criteria selected from the group consisting of seller criteria, product criteria, forecast criteria, supply criteria, customer order criteria, and policy criteria as disclosed by Rhodes within the James and Fields combination for the motivation of allowing access to relevant data, facilitating fast decision making and providing material and resource management information to sales and marketing teams (page 1).

(C) As to claim 13, James, and Fields do not explicitly disclose the system of Claim 11, further operable to:

communicate forecast models to a remote system; receive from the remote system a promise computed at the remote system for a customer order requesting a quantity of a product through the seller, the promise being computed according to the allocated supply; receive from the remote system adjusted forecast models reflecting the promise; and recompute the amount of the product that is ATP at the seller.

However, James discloses receiving a promise for a customer order requesting a quantity of a product through the seller, the promise being computed according to the allocated supply (see abstract, page 5, col. 1, lines 33-59 and page 6, col. 1, lines 18-30). James further discloses receiving a promise for a customer order requesting a quantity of a product through the seller, the promise being computed according to the allocated supply re-computing the amount of the product that is ATP at the seller (page 3, col. 2, line 48 - page 4, col. 1, line 1). In addition, Fields discloses receiving adjusted forecast models reflecting the promise (i.e. variation between actual demand and the forecasted demand is used to update base and influence profiles and the forecasted demand is re-determined)(see abstract and col. 15 and col. 21, line 18 - col. 22, line 12).

It would have been obvious to one of ordinary skill in the art at the time of Applicant's invention to include receiving adjusted forecast models reflecting the promise as disclosed by Fields within the James system in order to provide products in timely response to customer demands (col. 1, lines 37-43).

Although James and Fields do not explicitly disclose remotely located systems, Rhodes discloses enterprise wide integration of sales, marketing, material and resource systems (i.e. SOP)(see abstract). Rhodes further discloses that forecast information is communicated to a remote system (i.e. forecasting is used to drive the master production schedule) (page 3, lines 11-25). The remote system transmits a promise reflecting a customer order requesting a quantity of a product through the seller, the promise being computed according to the allocated supply (i.e.



MPS linked with order management such that when a customer places an order., to determine what's currently in production to give viable available to promise dates)(page 3, lines 12-25).

It would have been obvious to one of ordinary skill in the art at the time of Applicant's invention to include performing the steps of claim 13 in remotely located systems within the James and Fields combination for the motivation of achieving business goals such as improved customer service, increased productivity and greater profitability (page 1, lines 43-45 and page 2, lines 14-25).

James and Fields do not explicitly disclose computing a promise for the customer order, the promise being computed according to the pre-allocated supply of the product.

However, Rhodes discloses computing a promise for the customer order, the promise being computed according to the pre-allocated supply of the product (page 3).

It would have been obvious to one of ordinary skill in the art at the time of Applicant's invention to include computing a promise for the customer order, the promise being computed according to the pre-allocated supply of the product as disclosed by Rhodes within the James and Fields combination for the motivation of allowing access to relevant data, facilitating fast decision making and providing material and resource management information to sales and marketing teams (page 1).

(D) As to claim 14, James does not explicitly disclose the system of Claim 13, wherein: all forecast models for one or more sellers are communicated to the remote system; the system receives from the remote system a promise also computed according to the amount of

product that is ATP at one or more other sellers; and adjust the amount of the product that is ATP at one or more other sellers if the promise exceeds the allocated supply for the seller.

However, James discloses receiving a promise for a customer order computed according to the amount of product that is ATP at one or more other sellers (see abstract, page 5, col. 1, lines 33-59 and page 6, col. 1, lines 18-30). James further discloses adjusting the amount that is ATP at one or more other sellers if the promise exceeds the allocated supply for the seller (page 3, col. 2, line 48 - page 4, col. 1, line 1). In addition, Fields discloses receiving forecast models for one or more sellers (see abstract and col. 6, lines 35-60).

It would have been obvious to one of ordinary skill in the art at the time of Applicant's invention to include receiving forecast models for one or more sellers within the James system in order to provide products in timely response to customer demands (col. 1, lines 37-43).

Although James and Fields do not explicitly disclose remotely located systems, Rhodes discloses enterprise wide integration of sales, marketing, material and resource systems (i.e. SOP)(see abstract). Rhodes further discloses that forecast information is communicated to a remote system (i.e. forecasting is used to drive the master production schedule) (page 3, lines 11-25). The remote system transmits a promise reflecting a customer order requesting a quantity of a product through the seller, the promise being computed according to the allocated supply (i.e. MPS linked with order management such that when a customer places an order., to determine what's currently in production to give viable available to promise dates)(page 3, lines 12-25).

It would have been obvious to one of ordinary skill in the art at the time of Applicant's invention to include performing the steps of claim 13 in remotely located systems within the James and Fields combination in order to achieve business goals such as improved customer service, increased productivity and greater profitability (page 1, lines 43-45 and page 2, lines 14-25).

James and Fields do not explicitly disclose adjusting the amount that is ATP at one or more sellers if the promise exceeds the pre-allocated supply of the product to the seller.

However, Rhodes discloses adjusting the amount that is ATP at one or more sellers if the promise exceeds the pre-allocated supply of the product to the seller (page 3). It would have been obvious to one of ordinary skill in the art at the time of Applicant's invention to include adjusting the amount that is ATP at one or more sellers if the promise exceeds the pre-allocated supply of the product to the seller as disclosed by Rhodes within the James and Fields combination for the motivation of allowing access to relevant data, facilitating fast decision making and providing material and resource management information to sales and marketing teams (page 1).

(E) As to claim 15, James does not explicitly disclose the system of Claim 11, wherein the forecast model further represents a quantity of the product the seller has committed to selling, the system operable to adjust the pre-allocated supply of the product for the seller according to the committed quantity.

However, Rhodes discloses the system of Claim 11, wherein the forecast model further represents a quantity of the product the seller has committed to selling, the system operable to

adjust the pre-allocated supply of the product for the seller according to the committed quantity (i.e. link sales and marketing strategies to material and resource scheduling)(page 3). It would have been obvious to one of ordinary skill in the art at the time of Applicant's invention to include the system of Claim 11, wherein the forecast model further represents a quantity of the product the seller has committed to selling, the system operable to adjust the pre-allocated supply of the product for the seller according to the committed quantity as disclosed by Rhodes within the James and Fields combination for the motivation of allowing access to relevant data, facilitating fast decision making and providing material and resource management information to sales and marketing teams (page 1).

(F) As to claim 16, James discloses the system of Claim 11, further operable to:

accept a customer order requesting a quantity of a product through the seller (page 6, col. 1, lines 38-50). James does not explicitly disclose compute a promise for the customer order according to the planned supply and one or more existing customer orders, the promise restricted according to the pre-allocated supply of the product.

However, Rhodes discloses computing a promise for the customer order according to the planned supply and one or more existing customer orders, the promise restricted according to the pre-allocated supply of the product (page 3). It would have been obvious to one of ordinary skill in the art at the time of Applicant's invention to include computing a promise for the customer order according to the planned supply and one or more existing customer orders, the promise restricted according to the pre-allocated supply of the product as disclosed by Rhodes within the James and

Fields combination for the motivation allowing access to relevant data, facilitating fast decision making and providing material and resource management information to sales and marketing teams (page 1).

(G) As to claim 18, James discloses the system of Claim 11, further operable to adjust either the forecasted sales or the pre-allocated supply for a product for the seller according to an arrival rate of customer orders for the product through the seller (page 5, col. 1, line 33 - col. 2, line 18 and page 6, col. 1, lines 38-50).

(H) As to claim 27, the claim is the corresponding method claim to system claim 11 and is rejected on the same basis as claim 11.

(I) As to claims 28-32, and 34, the claims are similar in scope to claims 12-16, and 18 and are rejected on the same basis.

4. Claim 17 is rejected under 35 U.S.C. 103(a) as being unpatentable over James, Fields and Rhodes as applied to claim 11 above, and further in view of Frank O. Smith, "Dun & Bradstreet Software Delivers Sales and Promotion System to Manufacturers" (hereinafter Smith).

(A) As to claim 17, James does not explicitly disclose the system of Claim 11, wherein: each forecast model is extensible such that one or more policy rules may be associated with the corresponding product; each policy rule comprises a restriction on either the forecasted sales or

the pre-allocated supply of the product for the seller; and either the forecasted sales or the pre-allocated supply of the product is computed according to the policy rules.

However, Smith discloses each forecast model is extensible such that one or more policy rules may be associated with the corresponding product (i.e. SPS allows manufacturers to create and manage special product promotions based on product categories or items)(page 1, lines 21-30). Smith further discloses each policy rule comprises a restriction on either the forecasted sales or the allocated supply for the seller (i.e. price and discount effectively dating)(page 2, lines 1-5). Finally, Smith discloses either the forecasted sales or the allocated supply is computed according to the policy rules (i.e. The system takes into account impact of scheduling the requested customer orders with orders already in progress.(page 4, col. 2, lines 35-47, page 5, col. 1, lines 37-40 and page 6, col. 2, lines).

It would have been obvious to one of ordinary skill in the art at the time of Applicant's invention to include the features of Smith within the James, Fields and Rhodes combination for the motivation of speed and ease of online management of orders tied to special promotions (page 1, lines 32-34).

5. Claim 33 is rejected under 35 U.S.C. 103(a) as being unpatentable over James, Fields, and Rhodes as applied to claim 27 above, and further in view of Smith.

(A) As to claim 33, the claim is similar in scope to claim 17 and is rejected on the same basis.

6. Claims 19-26, 35-37, and 39-42 are rejected under 35 U.S.C. 103(a) as being unpatentable over James in view of Fields, Rhodes and Smith.

(A) As to claim 19, James discloses a system for managing data associated with available-to-promise (ATP) products (i.e. processes that take place in a typical manufacturing environment from the time the orders are received and the logic to arrive at the capability to promise and confirm planned shipping dates based on capacity constraints and product availability)(page 5, col. 2, lines 32-49), comprising:

planned supply of the product (i.e. planned orders to cover net requirements)(page 4, col. 1, lines 16-22 and page 7, col. 1, lines 47-51);

customer orders for the product through the seller (i.e. customer order servicing)(page 5, col. 2, lines 32-43); and

allocated supply of the product to the seller (i.e. The system takes into account impact of scheduling the requested customer orders with orders already in progress. Check if there is unallocated inventory. If the system checks to see if there is unallocated inventory, then some of the inventory is allocated.)(page 4, col. 2, lines 35-47, page 5, col. 1, lines 37-40 and page 6, col. 2, lines 3-16); and

wherein the system is operable to compute the amount of the product that is ATP at the seller according to the planned supply, the customer orders, the allocated supply, and the amount of the product that is ATP at one or more other sellers (i.e. planned production activity performed by CRP system, customer orders, allocated supply)(page 4, col. 2, lines 48-59, page 5, col. 1, line 33 - col. 2, line 18, and page 7, col. 1, lines 47-51).

James does not explicitly disclose each product being associated with a product forecast model and forecasted sales of the product through the seller. However, Fields discloses each

product being associated with a product forecast model (i.e. model covers each of a plurality of products) (col. 2, lines 1-9 and col. 5, lines 46-63); and forecasted sales of the product through the seller (i.e. forecast profile)(col. 3, lines 41-53).

It would have been obvious to one of ordinary skill in the art at the time of Applicant's invention to include each product being associated with a product forecast model and forecasted sales of the product through the seller within the James system in order to provide products in timely response to customer demands (col. 1, lines 37-43).

James and Fields do not explicitly disclose pre-allocated supply of the product to the seller, the pre-allocated supply being a supply for the product that has been pre-allocated to the seller for promising to subsequent customer orders for the product through the seller, the pre-allocation of the supply of the product to the seller occurring prior to distribution of the pre-allocated supply of the product to the seller, and the system is operable to compute the product that is ATP at a seller according to the planned supply, the customer orders, the pre-allocated supply and the amount that is ATP at one or more of the sellers at a higher level in a seller hierarchy.

However, Rhodes discloses pre-allocated supply of the product to the seller (i.e plan sales expectations)(pages 1 and 2) and the system is operable to compute the amount of the product that is ATP at a seller according to the planned supply, the customer orders, the allocated supply and the amount of the product that is ATP at one or more other sellers (page 3). As per the recitation of “the pre-allocation of the supply of the product to the seller occurring prior to distribution of the pre-allocated supply of the product to the seller,” the Examiner respectfully



submits that Rhodes discloses an order department being able to “look” into the manufacturing system to determine what is currently in production to give a viable ATP date (page 2). It is noted that a product must be allocated to a seller before it is distributed to the seller. For example, a customer placing an order for a product and being told when it will be delivered has “allocated” the product for himself (See also Applicant’s Background of the Invention, page 2, lines 15-26). The product is then delivered to the customer (“distributed”) after an order has been placed (See also Applicant’s Background of the Invention, page 2, lines 15-26). As per the recitation of “at a higher level in a seller hierarchy,” Rhodes discloses allowing business information systems to communicate with different trading partnerships, where the system encompass the flow of physical goods (and information) from the supplying organizations into the businesses and subsequently to its customers (page 3).

It would have been obvious to one of ordinary skill in the art at the time of Applicant's invention to include pre-allocated supply of the product to the seller, the pre-allocated supply being a supply for the product that has been pre-allocated to the seller for promising to subsequent customer orders for the product through the seller and the system is operable to compute the product that is ATP at a seller according to the planned supply, the customer orders, the pre-allocated supply and the amount that is ATP at one or more of the sellers as disclosed by Rhodes within the James and Fields combination for the motivation of ease of allowing access to relevant data, facilitating fast decision making and providing material and resource management information to sales and marketing teams (page 1).

James, Fields and Rhodes do not explicitly disclose at least one seller model representing a seller for products that each correspond to an item having one or more restrictions on its sale, at least two products corresponding to the same item but with at least one different restriction.

However, Smith discloses at least one seller model representing a seller for products that each correspond to an item having one or more restrictions on its sale, at least two products corresponding to the same item but with at least one different restriction (i.e. SPS enables manufacturers to easily track and manage special sales promotions separate and independent of standard company pricing policy. SPS enables manufacturers to create and manage special product promotions based on ... by customer type or specific customer account.)(page 1, lines 21-30).

It would have been obvious to one of ordinary skill in the art at the time of Applicant's invention to include at least one seller model representing a seller for products that each correspond to an item having one or more restrictions on its sale, at least two products corresponding to the same item but with at least one different restriction within the James, Fields and Rhodes system in order to speed and ease online management of orders tied to special promotions (page 1, lines 32-34).

(B) As to claim 20, James discloses he system of Claim 19, wherein the restrictions are selected from the group consisting of quantity restrictions, and lead time restrictions (i.e. whether customer specified date can be met. Check if requirements can be satisfied by unallocated inventory or unallocated scheduled production.)(page 5, col. 1, line 33 - col. 2, line 18).

James does not explicitly disclose wherein the restrictions are selected from price restrictions. However, Smith discloses wherein the restrictions are selected from price restrictions (i.e. ,manage special sales promotions separate and independent of standard company pricing policy). It would have been obvious to one of ordinary skill in the art at the time of Applicant's invention to include wherein the restrictions are selected from price restrictions within the James, Fields and Rhodes system in order to speed and ease online management of orders tied to special promotions (page 1, lines 32-34).

(C) As to claim 21, the claim is similar in scope to claim 12 and is rejected on the same basis.

(D) As to claim 22, the claim is similar in scope to claim 13 and is rejected on the same basis.

(E) As to claim 23,the claim is similar in scope to claim 15 and is rejected on the same basis.

(F) As to claim 24, James and do not explicitly disclose the system of Claim 19, further operable to:

computing a promise for the customer according to the pre-allocated supply for corresponding products.

However, Rhodes discloses computing a promise for the customer order, the promise being computed according to the pre-allocated supply of the product(page 2, lines 8-15 and lines 28-33). It would have been obvious to one of ordinary skill in the art at the time of Applicant's invention to include computing a promise for the customer according to the pre-allocated supply for corresponding products as disclosed by Rhodes within the James and Fields combination for the motivation of allowing access to relevant data, facilitating fast decision making and providing material and resource management information to sales and marketing teams (page 1).

James, Fields and Rhodes do not explicitly disclose accept a customer order requesting quantities of one or more items through the seller; and compute a promise for the customer order according to the allocated supply for corresponding products, wherein the promise comprises a plurality of options each with one or more of the restrictions specified for these products.

However Smith discloses accepting a customer order requesting quantities of one or more items through the seller and computing a promise for the customer order according to the allocated supply for corresponding products, wherein the promise comprises a plurality of options each with one or more of the restrictions specified for these products (i.e. SPS enables manufacturers to easily track and manage special sales promotions separate and independent of standard company pricing policy. System enhancements include on line available to promise by item ...)(page 1, lines 21-30 and page 2, lines 1-5).

It would have been obvious to one of ordinary skill in the art at the time of Applicant's invention to include accepting a customer order requesting quantities of one or more items through the seller and computing a promise for the customer order according to the allocated supply for corresponding products, wherein the promise comprises a plurality of options each with one or more of the restrictions specified for these products within the James, Fields and Rhodes system in order to speed and ease online management of orders tied to special promotions (page 1, lines 32-34).

(G) As to claim 25, the claim is similar in scope to claim 17 and is rejected on the same basis.

(H) As to claim 26, the claim is similar in scope to claim 18 and is rejected on the same basis

(I) As to claim 35, the claim is the corresponding method claim to system claim 19 and is rejected on the same basis as claim 19.

(J) As to claims 36-42, the claims are similar in scope to claims 20-26 and are rejected on the same basis.

***Response to Arguments***

7. Applicant's arguments filed on May 6, 2008 have been fully considered but they are not persuasive.

(1) With regard to the 35 U.S.C. 103 rejections, the applicants argue that Fields does not teach “at least two seller models that each represent a seller for one or more products” wherein each product is associated with a “product forecast model”. However, Fields clearly discloses two seller models (Fields: Col. 2, Ln. 1-9). Fields contemplates that a model can cover a plurality of business items and the Office, therefore, takes the position that this means that the model disclosed in Fields can be applied to many different business items wherein each item is covered by a model. Therefore, since Fields disclose a plurality of items that can be covered by its model it inherently discloses a plurality (including two) seller models. It is entirely possible that the two products Fields mentions in the above cited passages come from two different sellers. In the cited portion of Fields, there is a disclosure stating that the demand for a plurality (more than one) of products is tracked in the invention of Fields. The Office interprets this disclosure as meaning that there are at least two seller models that are disclosed because since the step of “tracking” in Fields involves more than one product it is inherent that the multiple

products can be made by more than one seller and therefore it is entirely possible that the step of "tracking" in Fields can include a "hierarchy of at least two seller models that each represent a seller for one or more products."

(2) Applicants argue that the Office has taken Official Notice with regards to one of the claimed features. To respond to this argument, the Office would like to point out that it has not taken Official Notice with regard to any of the claimed features.

(3) Applicants argue that Fields does not disclose two different sellers. To respond to this argument, the applicants would like to point out that Fields discloses tracking demand for two different products and Fields does not say which products demand is tracked for. The two products in whose demand is tracked in Fields could be Ford trucks and GM trucks, for example, and Ford and GM are two different sellers of products. Therefore, Fields discloses two products that come from two different sellers.

(4) In response to applicant's argument that the examiner's conclusion of obviousness is based upon improper hindsight reasoning, it must be recognized that any judgment on obviousness is in a sense necessarily a reconstruction based upon hindsight reasoning. But so long as it takes into account only knowledge which was within the level of ordinary skill at the time the claimed invention was made, and does not include knowledge gleaned only from the applicant's disclosure, such a reconstruction is proper. See *In re McLaughlin*, 443 F.2d 1392, 170 USPQ 209 (CCPA 1971).

(5) Applicants argue that the Rhodes reference does not disclose "computing the amount of the product that is ATP at a seller according to at least the planned supply of the product."

However, as has been set forth in the above, Rhodes discloses this very feature (Rhodes: Pages 1-3) and proper motivation has been set forth for combining the teachings of Rhodes with those of the teachings of James in view of Fields.

(6) Applicants argue that the prior art must disclose each and every element of the claimed invention and that any motivation to combine or modify the prior art must be based upon a suggestion in the prior art. Applicants argue that the prior art used in the 35 U.S.C. 103 rejections do not teach each and every limitation and also that there is no motivation for combining these references. However, the Office would like to note that the prior art does in fact teach each and every element of the claimed invention. The motivation to combine or modify the prior art is also taken from the prior art, as cited above in the 35 U.S.C. 103 rejections.

### ***Office Suggestions***

8. The examiner recommends amending the claims to more clearly recite the feature of automatically modifying the forecasts as time passes (page 14 of the applicant's specification) because the prior art of record does not teach this feature. However, the applicant and applicant's attorney should be made aware that any amendment(s) submitted will be subject to a further prior art search and furthermore, any amendment(s) submitted should also have support in the specification as it was originally filed.

***Conclusion***

9. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

10. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Vivek Koppikar, whose telephone number is (571) 272-5109. The examiner can normally be reached from Monday to Friday between 8 AM and 4:30 PM.

11. If any attempt to reach the examiner by telephone is unsuccessful, the examiner's supervisor, Jerry O'Connor, can be reached at (571) 272-6787. The fax telephone numbers for this group are either (571) 273-8300 or (703) 872-9326 (for official communications including After Final communications labeled "Box AF").

12. Another resource that is available to applicants is the Patent Application Information Retrieval (PAIR). Information regarding the status of an application can be obtained from the (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAX. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, please feel free to contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Sincerely,

/Vivek D Koppikar/  
Examiner, Art Unit 3686  
3/17/2009